

Visoka škola strukovnih studija za informacione i komunikacione tehnologije u Beogradu

Visoka ICT škola

Web programiranje 1 – Dokumentacija za sajt

<http://mobile111ap.000webhostapp.com/>

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1. Uvod

Sajt iz predmeta web programiranje 1 je napravljen za prikaz i predstavljanje Apple uređaja. Pregled sajta je omogućen na svim uređajima

1.1. Korišćeni programski i markup jezici

HTML, CSS, Javascript, AJAX, JSON

Koriscene biblioteke

JQuery (JavaScript)

TypeScript (Javascript)

AOS (JS)

JQuery plug-in

SmoothScroll

1.2 Opis funkcionalnosti

Stranica index.html

Dinamičko ispisivanje

Meni (JavaScript) – ispisani su svi elementi menija dinamički

Proizvodi (Izlistavanje putem Ajaxa iz JSON fajla ali korišćenjem JQueryja) – svi proizvodi su izlistani dinamički dok su slika i naziv proizvoda uzeti iz JSON fajla

Slajder (JavaScript i animacija putem JQueryja) – klikom na neki od proizvoda otvara se slajder sa proizvodom na koji smo kliknuli. Ispod slike proizvoda nalazi se i detaljniji opis proizvoda čiji ispis se vrši iz JSON fajla, pregled ostalih proizvoda se može vršiti klikom na strelice u levo ili desno. Izlazak iz slajdera vrši se klikom na dugme u gornjem desnom uglu

Ostatak funkcionalnosti

Dugme za otvaranje menija (JavaScript) – pošto je korišćenje sajta omogućeno i putem mobilnih uređaja, na manjim ekranima postoji meni koji se klikom na dugme otvara

Dugme za veći broj proizvoda (JQuery) – klikom na dugme prikazuje se i animacija koja je ubačena preko CSS-a

Dugme za vraćanje na vrh stranice (JQuery) – odlaskom ka dnu strane određen broj piksela prikazuje se ovo dugme

Korišćenje Smooth Scroll-a – iskoriscen da iz menija vodi polako ka željenom elementu


Dinamičko ispisivanje teksta – izvodi se korišćenjem JS biblioteke TypeScript


Iskaćući divovi – rade uz pomoć JS biblioteke AOS

Validacija forme se vrši klikom na dugme Pošalji i ako se dogode greške u validaciji, te greške će se ispisati u uređenu listu koja se dinamički generiše direktno ispod dugmeta

1.3.Template

Dizajn sajta je moj, nije preuziman template



[About](#)
[Products](#)
[Service](#)
[Contact](#)
[Author](#)



Iphone shop





Welcome :)

About



This is a store where Apple mobile phone are sold in Belgrade, started working 2011

Products

[MORE](#)


Service

You can service your Apple mobile phone in our authorized service. Contact them on the link below



[LINK](#)

Contact


Author



My name is **Rajko Vrga** and I'm studying at ICT College. I did this site using JQuery and JavaScript for Web programming subject.

[Download on the App Store](#)



```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <meta
      name="description"
      content="This is a store where Apple mobile phone are sold in Belgrade,
started working 2011 and you can find your favorite iphone mobile"
    />
    <meta name="robots" content="index, follow" />
    <meta name="keywords" content="apple, iphone, Rajko, store, phone" />
    <meta name="author" content="Rajko Vrga" />
    <title>Apple Shop</title>

    <link
      rel="stylesheet"
      href="https://use.fontawesome.com/releases/v5.4.1/css/all.css"
      integrity="sha384-
5sAR7xN1Nv6T6+dT2mhtzEpVJvfS3NScPQTrOxhwjIuvcA67KV2R5Jz6kr4abQsz"
      crossorigin="anonymous"/>
    <link rel="stylesheet" href="css/aos.css">
    <link rel="shortcut icon" href="img/icon.ico" type="image/x-icon" />
    <link rel="stylesheet" href="css/style.css" />
  </head>

  <body>
    <div class="element menu">
      <div class="responsive">
        <div class="logo"></div>
        <div class="buttonR" data-bar="#items"><i class="fas fa-bars"></i></div>
      </div>
      <ul id="items" class="items d-none">
        <li class="item logo"></li>
      </ul>
    </div>

    <div class="element home">

```

```

<div id="title">
  <h1>Iphone shop</h1>
  <h3 id="welcome"></h3>
</div>

<div id="down">
  <a href="#about"><i class="fa fa-angle-down" aria-hidden="true"></i></a>
</div>
</div>

<div class="element about" id="about">
  <h2>About</h2>
  <div class="content">
    <div
      data-aos="fade-right"
      data-aos-duration="1000"
      data-aos-easing="ease-in-sine"
      class="aboutphoto"
    >
      
    </div>
    <div class="aboutText">
      <p
        data-aos="flip-left"
        data-aos-easing="ease-out-cubic"
        data-aos-duration="2000"
      >
        This is a store where Apple mobile phone are sold in Belgrade,
        started working 2011
      </p>
    </div>
  </div>
</div>

<div class="element products" id="products">
  <div class="title"><h2>Products</h2></div>
  <div class="articles"></div>
  <div class="button-more">
    <div class="more"><p id="p-more">MORE</p></div>
  </div>
</div>
<div id="slider">
  <div class="close "><i class="fa fa-times" aria-hidden="true"></i></div>
  <div id="sliderPhoto">
    <div class="close closeM ">

```

```

        <i class="fa fa-times" aria-hidden="true"></i>
    </div>
    <img src="" id="photo" alt="slide now" />

    <div class="leftright">
        <i class="fas button-slide fa-caret-left" aria-hidden="true"></i>
        <i class="fas button-slide fa-caret-right" aria-hidden="true"></i>
    </div>
    <div class="detalis"></div>
</div>
</div>
<div class="element service" id="service">
    <div class="title"><h2>Service</h2></div>
    <div class="content-service">
        <div class="photo-service">
            
        </div>
        <div class="text-service">
            <div id="info">
                <p
                    data-aos="flip-right"
                    data-aos-offset="300"
                    data-aos-duration="3000"
                >
                    You can service your Apple mobile phone in our authorized service.
                    Contact them on the link below
                </p>
            </div>
            <div id="info-button">
                <a target="_blank" href="https://www.appleservice.rs/">LINK</a>
            </div>
        </div>
    </div>
</div>
<div class="element contact" id="contact">
    <div class="title"><h2>Contact</h2></div>
    <div class="contact-content">
        <div class="contactForm">
            <p>E-mail</p>
            <input type="text" name="email" id="email" />
            <p>Title</p>
            <input type="text" name="title" id="titleContact" />
            <p>Description</p>
            <textarea name="opis" id="descContact" resize="none"></textarea>
            <input type="button" id="send" value="Send" />
        </div>
    </div>
</div>

```



```

<div id="top">
  <a href="#" target="_top"> <i class="fa fa-arrow-up"></i></a>
</div>

<script src="function/aos.js"></script>
<script src="function/typed.min.js"></script>
<script src="/function/jquery.min.js"></script>
<script src="/function/jquery.smooth-scroll.min.js"></script>
<script src="function/script.js" type="text/javascript"></script>
</body>
</html>

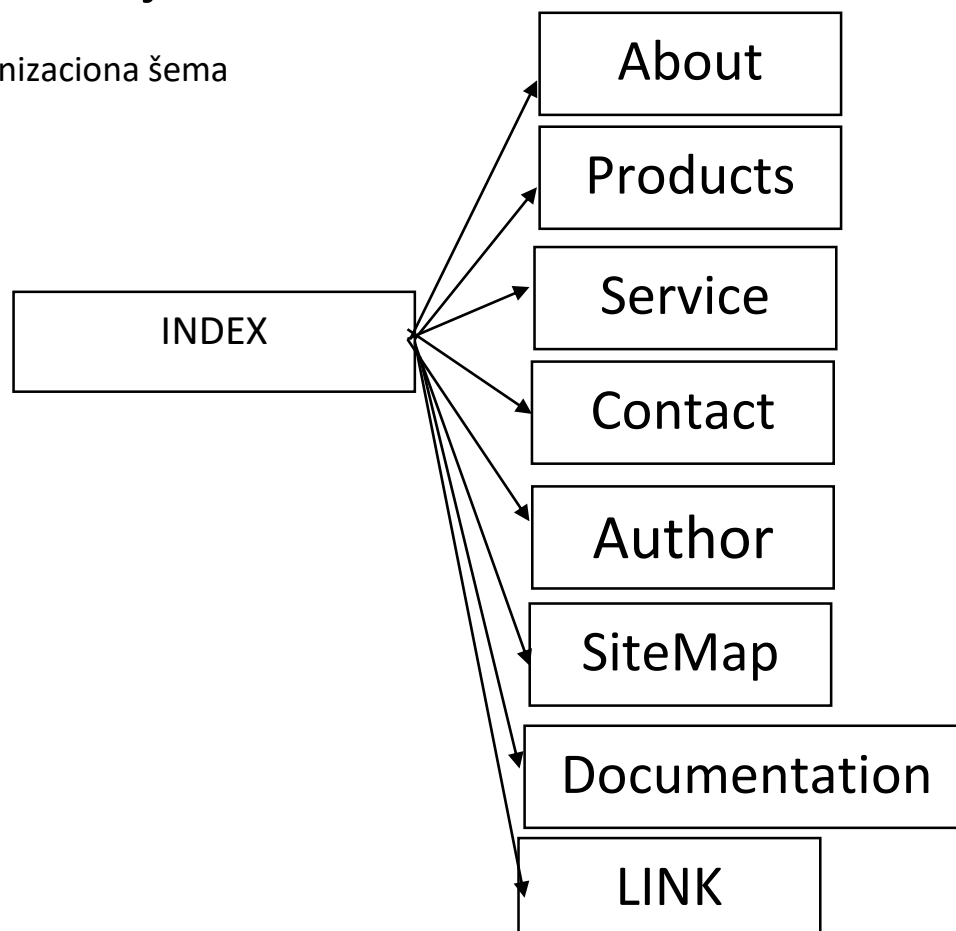
```

1.4. Korišćeni CSS

Ceo CSS sam sam pisao, jedino sam preuzeo CSS iz AOS biblioteke

2. Organizacija

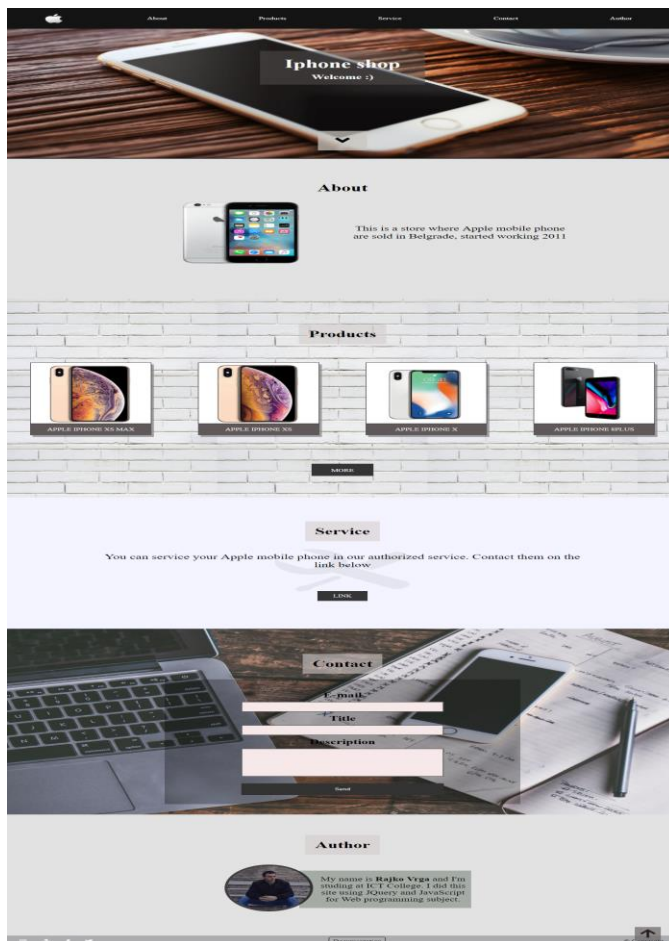
2.1. Organizaciona šema



2.2. Mapa sajta

```
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
<url>
  <loc>http://mobile111ap.000webhostapp.com/</loc>
  <priority>0.9</priority>
  <changefreq>weekly</changefreq>
  <lastmod>2018-12-03</lastmod>
</url>
<url>
  <loc>http://mobile111ap.000webhostapp.com/index.html</loc>
  <priority>0.9</priority>
  <changefreq>weekly</changefreq>
  <lastmod>2018-12-03</lastmod>
</url>
</urlset>
```

2.3. Stranice



3. Kodovi

Sav kod je moj

```
document.addEventListener("DOMContentLoaded", function() {
  AOS.init();
  // menu responsive
  let barButton = document.getElementsByClassName("buttonR");
  let items = document.getElementById("items");
  barButton[0].addEventListener("click", menuButton);

  items.addEventListener("click", function() {
    if (window.scrollX < 670) {
      if (items.classList.contains("d-flex")) {
        items.classList.remove("d-flex");
        items.classList.add("d-none");
      } else {
        items.classList.add("d-flex");
        items.classList.remove("d-none");
      }
    }
  });
  // dynamic menu

  let menu = document.querySelector("#items");

  let hrefValue = ["About", "Products", "Service", "Contact", "Author"];
  let menuItems = "";

  for (let i = 0; i < hrefValue.length; i++) {
    if (i == 1 || i == 2) {
      menuItems +=
        '<li class="item item2"><a href=' +
        "#" +
        hrefValue[i].toLowerCase() +
        ">" +
        hrefValue[i] +
        "</a></li>";
    } else {
      menuItems +=
        '<li class="item"><a href=' +
        "#" +
        hrefValue[i].toLowerCase() +
        ">" +
```

```

        hrefValue[i] +
        "</a></li>";
    }

    pom = "";
}
menu.innerHTML += menuItems;

// // top button
$(window).scroll(fadeTop);
$("#top").click(buttonTop);

//smooth scroll plugin

$("a").smoothScroll({
    speed: 2000
});

// contact REGEX

let pattEmail = /^[A-Za-z]([a-z.A-Z-\d]{1,})@([a-z]+[.]){1,}([a-z]{2,3}){1}$/;
let pattTitle = /^[\\w\\s]{5,25}$/;
let pattDesc = /^[\\w\\s]{20,550}$/;
function addError(variable) {
    variable.setAttribute("class", "errorBorder");
}
function rmError(variable) {
    if (variable.hasAttribute("class")) {
        variable.removeAttribute("class");
    }
}
document.getElementById("send").addEventListener("click", function() {
    let errors = [];
    let mailBox = document.querySelector("#email");
    if (!pattEmail.test(mailBox.value)) {
        errors.push("* Mail is not in correct format");
        addError(mailBox);
    } else if (mailBox.value == "") {
        errors.push("* Enter email");
        addError(mailBox);
    } else {
        rmError(mailBox);
    }
    let titleBox = document.querySelector("#titleContact");
    if (!pattTitle.test(titleBox.value)) {

```

```

        errors.push("* Title is not correct");
        addError(titleBox);
    } else if (titleBox.value == "") {
        errors.push("* Enter title");
        addError(titleBox);
    } else {
        rmError(titleBox);
    }

    let descContact = document.querySelector("#descContact");

    if (descContact.value == "") {
        errors.push("* Enter description");
        addError(descContact);
    } else if (!pattDesc.test(descContact.value)) {
        errors.push("* Description is not correct");
        addError(mailBox);
    } else {
        rmError(descContact);
    }

    if (errors.length != 0) {
        let errorVal = "<ul id='errorList'>";
        for (let i = 0; i < errors.length; i++) {
            errorVal += "<li><p>" + errors[i] + "</p></li>";
        }
        errorVal += "</ul>";
        document.querySelector("#error").innerHTML = errorVal;
    } else {
        document.querySelector("#error").innerHTML = "";
    }
});

// SLIDER
let product = document.getElementsByClassName("product1");
$.getJSON("/function/products.json", function(json) {
    let articles = "";
    for (var i = 0; i < 8; i++) {
        putIn();
    }

    function putIn() {
        articles += slideMore(json.products[i].photo, json.products[i].model);
    }

    let r = document.querySelector(".articles");
    r.innerHTML += articles;

```

```

// slider //////////
let photo = document.getElementById("photo");
let slider = document.getElementById("slider");
let detalis = document.querySelector(".detalis");
let detalisElement = "";
for (let i = 0; i < product.length; i++) {
    product[i].addEventListener("click", function() {
        $("body").css("overflow", "hidden");
        if (slider.classList.contains("none-slider")) {
            slider.classList.remove("none-slider");
            slider.classList.add("flex-slider");
        } else {
            slider.classList.add("flex-slider");
        }

        slide(i - 1, "next");
    });
}

// -slider
function slide(current, direction = "prev") {
    switch (direction) {
        case "prev":
            if (--current < 0) {
                current = product.length - 1;
            }
            break;
        case "next":
            if (++current > product.length - 1) {
                current = 0;
            }
            break;
    }
}

photo.src = product[current].children[0].getAttribute("src");
detalisElement =
    "<p> Model:" +
    json.products[current].model +
    "</p><p> Color:" +
    json.products[current].color +
    "</p><p> Price:" +
    json.products[current].price +
    "</p>";

```

```

    detalis.innerHTML = detalisElement;
    photo.setAttribute("data-current", current);
}

// Prev

let btnL = document.getElementsByClassName("fa-caret-left");
btnL[0].addEventListener("click", function(e) {
    let current = parseInt(photo.getAttribute("data-current"));
    e.stopPropagation();
    slide(current);
    slideAnimation();
});

// Next

let btnR = document.getElementsByClassName("fa-caret-right");
btnR[0].addEventListener("click", function(e) {
    let current = parseInt(photo.getAttribute("data-current"));
    e.stopPropagation();
    slide(current, "next");
    slideAnimation();
});

// load products

function slideMore(i1, i2) {
    let productReturn = "";
    (i >= 4)
        ? (productReturn = '<div class="product1 productmore"> <div class='productDet'><p>" + i2 + "</p></div></div> ")
        : (productReturn = '<div class="product product1"> <div class='productDet'><p>" + i2 + "</p></div></div> ");
    return productReturn;
}

});

function slideAnimation() {
    $("#photo").css("opacity", 0);
    $(".detalis").css("opacity", 0);
    $("#photo").animate({ opacity: 1 }, 600);
    $(".detalis").animate({ opacity: 1 }, 600);
}

```

```

$(".more").click(function() {
    $(".productmore").slideToggle(1000);
    //change text content for button more
    let pMore = document.querySelector("#p-more");
    if (pMore.textContent == "MORE") {
        pMore.textContent = "HIDE";
    } else {
        pMore.textContent = "MORE";
    }
});
// FUNCTIONS
// menu button

function menuButton() {
    let items = document.querySelector(this.getAttribute("data-bar"));
    if (items.classList.contains("d-none")) {
        items.classList.add("d-flex");
        items.classList.remove("d-none");
    } else {
        items.classList.add("d-none");
        items.classList.remove("d-flex");
    }
}

// top button

function buttonTop() {
    $("html,body").animate({ scrollTop: 0 }, 1000);
}

function fadeTop() {
    if ($(this).scrollTop() > 300) {
        $("#top").fadeIn(500);
    } else {
        $("#top").fadeOut(300);
    }
}

// close slider
let cls = document.getElementsByClassName("close");
for (let i = 0; i < cls.length; i++) {
    cls[i].addEventListener("click", function() {
        if (slider.classList.contains("flex-slider")) {
            slider.classList.add("none-slider");
            $("body").css("overflow", "");
        }
    });
}

```



```
});  
}  
  
// TYPED  
  
let typed = new Typed("#welcome", {  
  strings: ["Welcome :)"],  
  cursorChar: "",  
  typeSpeed: 300  
});  
});
```